# City of Springfield Sanitary Services

**PUBLIC WORKS DEPARTMENT**

**WASTEWATER CONTRIBUTION PERMIT APPLICATION**

www.springfieldmo.gov

**Note to Signing Official**: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this permit application, which identifies the nature and frequency of discharge, shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2.

## SECTION A – GENERAL INFORMATION

**Facility Name**

**Operator Name**

**Is The operator identified above the owner of the facility?** ☐ **Yes** ☐ **No** **If no, provide the name and address of the owner and submit a copy of the contract and /or other documents indicating the operator's scope of responsibility for the facility.**

**Facility Address**

**Street** **City** **State** **Zip**

**Mailing Address**

**Street** **City** **State** **Zip**

**Designated signatory authority of the facility. Attach additional information for each authorized representative:**

**Name** **Title**

**Address** **City** **State** **Zip**

**Phone** **Fax**

**Email Address**

**Designated facility contact:**

**Name** **Title**

**Phone** **Fax** **Email**

## SECTION B – BUSINESS ACTIVITY

**1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste, sludge or hazardous wastes) place a check beside the category of business activity (check all that apply)**

**Industrial Categories***

| | | | |
|---|---|---|---|
| ☐ Airport Deicing | ☐ Aluminum Forming | ☐ Asbestos Manufacturing | ☐ Battery Manufacturing |
| ☐ Builders Paper and Board Mills | ☐ Carbon Black Manufacturing | ☐ Cement Manufacturing | ☐ Centralized Waste Treatment |
| ☐ Chemical Formulators and Packagers | ☐ Coil Coating | ☐ Copper Forming | ☐ Dairy Products Processing |
| ☐ Electrical and Electronic Components | ☐ Electroplating | ☐ Explosives Manufacturing | ☐ Feedlots |
| ☐ Ferro Alloy Manufacturing | ☐ Fertilizer Manufacturing | ☐ Canned & Preserved Fruits and Vegetables Processing | ☐ Glass Manufacturing |
| ☐ Grain Mills | ☐ Gum and Wood Chemicals Manufacturing | ☐ Hospitals | ☐ Industrial Laundries |
| ☐ Ink Formulating | ☐ Inorganic Chemicals Manufacturing | ☐ Iron & Steel Manufacturing | ☐ Landfills or Incinerators |

| | | | |
|---|---|---|---|
| ☐ Leather Tanning and Finishing | ☐ Meat Products | ☐ Metal Finishing | ☐ Metal Molding and Casting |
| ☐ Metal Products & Machinery | ☐ Mineral Mining & Processing | ☐ Nonferrous Metals Forming & Metal Powders | ☐ Nonferrous Metals Manufacturing |
| ☐ Ore Mining and Dressing | ☐ Organic Chemicals, Plastics, & Synthetic Fibers | ☐ Paint Formulating | ☐ Paving and Roofing Materials |
| ☐ Petroleum Refining | ☐ Pharmaceutical Manufacturing | ☐ Phosphate Manufacturing | ☐ Photographic Processing |
| ☐ Plastics Molding and Forming | ☐ Porcelain Enameling | ☐ Pulp, Paper & Paper Board | ☐ Rubber Processing |
| ☐ Canned & Preserved Seafood Processing | ☐ Soaps and Detergents | ☐ Steam Electric Power Generating | ☐ Sugar Processing |
| ☐ Textile Mills | ☐ Timber Products Processing | ☐ Transportation Equipment Cleaning | ☐ Urban Stormwater |

***Environmental Protection Agency (EPA) Categorical Pretreatment standards may apply to facilities with the processes listed above. These facilities are termed "Categorical Users"**

**Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary)**

**Indicate applicable Standard Industrial Classification (SIC) for all processes: (If more than one applies, list all)**

| A | B | C | D |
|---|---|---|---|
| | | | |

**Product Volume Estimate**

| Product Produced | Past Calendar Year (Average Daily Units) | Amounts Per Day (Daily Units) | | |
|---|---|---|---|---|
| | | Maximum | Average | Maximum |
| | | | | |
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## SECTION C – WATER SUPPLY

**Water Sources (check all that apply)**

☐ **Private Well** ☐ **Surface Water** ☐ **Municipal Water (specify City)** ☐ **Other**

**Name on water bill**

**Street Address on bill**

**Water Service Account Number**

**List average water usage on premises (new facilities may estimate usage)**

| Type | Average Water Usage (gpd) | Indicate Estimated or Measured |
|---|---|---|
| **A. Contact cooling water** | | |
| **B. Non-contact cooling water** | | |
| **C. Boiler feed** | | |
| **D. Process** | | |
| **E. Sanitary** | | |

| Type | Average Water Usage (gpd) | Indicate Estimated or Measured |
|---|---|---|
| F. Air pollution control | | |
| G. Contained in product | | |
| H. Plant and equipment wash down | | |
| I. Irrigation and equipment wash down | | |
| J. Other (specify) | | |
| Total of A-J | | |

## Section D – Sewer Information

**FOR EXISTING BUSINESSES ONLY**

| | |
|---|---|
| Is the building presently connected to the public sanitary sewer system? ☐ Yes ☐ No | Sanitary sewer account number _____<br>Have you applied for a sanitary sewer connection? ☐ Yes ☐ No |

**FOR NEW BUSINESSES ONLY**

Will you be occupying an existing vacant building (such as in an industrial park)? ☐ Yes ☐ No

Have you applied for a building permit if a new facility will be constructed? ☐ Yes ☐ No

Will you be connected to the public sanitary sewer system? ☐ Yes ☐ No

List the size, descriptive location, and flow of each facility sewer line which connects to the City's sewer system. (If needed, attach additional information on another sheet)

| Sewer Size | Descriptive Location of Sewer Connection or Discharge Point | Average Flow (GPD) |
|---|---|---|
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## Section E – Wastewater Discharge Information

Does (or will) this facility discharge any wastewater other than from restrooms to the city sewer? ☐ Yes ☐ No

If yes, complete the remainder of the application. If no, skip to Section I – Spill Prevention

Provide the following information on wastewater flow rate (new facilities may estimate)

| | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|---|---|---|---|---|---|---|
| Hours/Day of discharge (e.g., 8hrs/day) | | | | | | | |
| Hours of Discharge (e.g., 9 a.m. to 5 p.m.) | | | | | | | |

| | | |
|---|---|---|
| Peak per minute (GPM) | Max. daily flow rate (GPD) | Annual daily average (GPD) |

Are there batch discharges? ☐ Yes ☐ No (If yes, please fill in A–E below)

| | |
|---|---|
| A. Number of batch discharges per day | B. Average discharge per batch (gallons) |
| C. Time of batch discharges: Day(s) of week | Time of day |
| D. Flow rate (gpm) | E. Percent of total facility discharge |

**Schematic Flow Diagram:** For each major activity in which wastewater is or will be generated, draw a diagram of the flow of materials, products, water, and wastewater from the start of the activity to its completion, showing all unit processes. Indicate which processes use water and generate wastestreams. Include the average daily volume and maximum daily volume of each wastestream (new facilities may estimate). If estimates are used for flow data, this must be indicated. Number each unit process having wastewater discharges to the public sewer. Use these numbers when showing the unit processes in the building layout in Section H.

**Facilities that checked activities in Section B (1) may be considered a Categorical Industrial User and should proceed to question 6 in section E.**

**For Non-Categorical Users Only: List an average wastewater discharge, maximum discharge, and type of discharge (batch, continuous, or both), for each plant process. Include the reference number from the process schematic that corresponds to each process.** (New facilities should provide estimates for each discharge)

| No. | Process Description | Avg Flow (GPD) | Maximum Flow (GPD) | Type of Discharge |
|---|---|---|---|---|
| | | | | |
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**Answer questions 6 and 7 only if you are subject to categorical pretreatment standards**

**6. For Categorical Users: Provide the totals of wastewater discharge flows of each of your processes or proposed processes. Include the reference number from the process schematic that corresponds to each process.**
(New facilities should provide estimates for each discharge)

| No. | Regulated Process | Average Flow (GPD) | Maximum Flow (GPD) | Type of Discharge |
|---|---|---|---|---|
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**7. For Categorical users subject to Total Toxic Organic (TTO) requirements, please provide the following information**

**A. Does (or will) this facility use any of the toxic organics that are listed under the TTO standard of the applicable categorical pretreatment standards published by EPA?** ☐ Yes ☐ No

**B. Has a baseline monitoring report (BMR) been submitted which contains TTO information?** ☐ Yes ☐ No

**C. Has a toxic organics management plan (TOMP) been developed?** ☐ Yes ☐ No

**8. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Currently** | **Flow Metering** | ☐ Yes ☐ No ☐ NA | | **Planned** | **Flow Metering** | ☐ Yes ☐ No ☐ NA | |
| | **Sampling Equipment** | ☐ Yes ☐ No ☐ NA | | | **Sampling Equipment** | ☐ Yes ☐ No ☐ NA | |

**If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below**

**9. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics? Consider production processes as well as air or water pollution treatment processes that may affect the discharge.** ☐ Yes ☐ No

**(If no, continue to question 11)**

**10. Briefly describe these changes and their effects on the wastewater volume and characteristics:** (Attach additional sheets if needed)

**11. Are any materials or water reclamation systems in use or planned?** ☐ Yes ☐ No **(If no, continue to section F)**

**12. Briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process** (Attach additional sheets if needed)

## SECTION F – CHARACTERISTICS OF DISCHARGE

**Priority Pollutant Information:** Please indicate by selecting from the check boxes below for each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a by-product. Some compounds are known by other names. Compounds with an asterisk (*) indicate possible synonym listing- See Priority Pollutant synonym list in Appendix A.

| Item No. | Chemical Compound | Suspected Absent | Known Absent | Suspected Present | Known Present | Item No. | Chemical Compound | Suspected Absent | Known Absent | Suspected Present | Known Present |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | **Asbestos (fibrous)** | ☐ | ☐ | ☐ | ☐ | 66. | **1,2-dichloroethane*** | ☐ | ☐ | ☐ | ☐ |
| 2. | **Cyanide (total)** | ☐ | ☐ | ☐ | ☐ | 67. | **1,1-dichloroethene*** | ☐ | ☐ | ☐ | ☐ |
| 3. | **Antimony (total)** | ☐ | ☐ | ☐ | ☐ | 68. | **Trans-1,2-dichloroethene*** | ☐ | ☐ | ☐ | ☐ |
| 4. | **Arsenic (total)** | ☐ | ☐ | ☐ | ☐ | 69. | **2,4-dichlorophenol** | ☐ | ☐ | ☐ | ☐ |
| 5. | **Beryllium (total)** | ☐ | ☐ | ☐ | ☐ | 70. | **1,2-dichloropropane*** | ☐ | ☐ | ☐ | ☐ |
| 6. | **Cadmium (total)** | ☐ | ☐ | ☐ | ☐ | 71. | **(cis & trans) 1,3-dichloropropene*** | ☐ | ☐ | ☐ | ☐ |
| 7. | **Chromium (total)** | ☐ | ☐ | ☐ | ☐ | 72. | **Dieldrin** | ☐ | ☐ | ☐ | ☐ |
| 8. | **Copper (total)** | ☐ | ☐ | ☐ | ☐ | 73. | **Diethyl phthalate*** | ☐ | ☐ | ☐ | ☐ |
| 9. | **Lead (total)** | ☐ | ☐ | ☐ | ☐ | 74. | **2,4-dimethylphenol*** | ☐ | ☐ | ☐ | ☐ |
| 10. | **Mercury (total)** | ☐ | ☐ | ☐ | ☐ | 75. | **Dimethyl phthalate** | ☐ | ☐ | ☐ | ☐ |
| 11. | **Nickel (total)** | ☐ | ☐ | ☐ | ☐ | 76. | **Di-n-butyl phthalate** | ☐ | ☐ | ☐ | ☐ |
| 12. | **Selenium (total)** | ☐ | ☐ | ☐ | ☐ | 77. | **Di-n-octyl phthalate*** | ☐ | ☐ | ☐ | ☐ |
| 13. | **Silver (total)** | ☐ | ☐ | ☐ | ☐ | 78. | **4,6-dinitro-2-methylphenol*** | ☐ | ☐ | ☐ | ☐ |
| 14. | **Thallium (total)** | ☐ | ☐ | ☐ | ☐ | 79. | **2,4-dinitrophenol** | ☐ | ☐ | ☐ | ☐ |
| 15. | **Zinc (total)** | ☐ | ☐ | ☐ | ☐ | 80. | **2,4-dinitrotoluene** | ☐ | ☐ | ☐ | ☐ |
| 16. | **Acenaphthene** | ☐ | ☐ | ☐ | ☐ | 81. | **2,6-dinitrotoluene** | ☐ | ☐ | ☐ | ☐ |
| 17. | **Acenaphthylene** | ☐ | ☐ | ☐ | ☐ | 82. | **1,2-diphenylhydrazine*** | ☐ | ☐ | ☐ | ☐ |

| Item No. | Chemical Compound | Suspected Absent | Known Absent | Suspected Present | Known Present | Item No. | Chemical Compound | Suspected Absent | Known Absent | Suspected Present | Known Present |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18. | **Acrolein** | ☐ | ☐ | ☐ | ☐ | 83. | **Endosulfan 1*** | ☐ | ☐ | ☐ | ☐ |
| 19. | **Acrylonitrile** | ☐ | ☐ | ☐ | ☐ | 84. | **Endosulfan 11*** | ☐ | ☐ | ☐ | ☐ |
| 20. | **Aldrin** | ☐ | ☐ | ☐ | ☐ | 85. | **Endosulfan sulfate** | ☐ | ☐ | ☐ | ☐ |
| 21. | **Anthracene** | ☐ | ☐ | ☐ | ☐ | 86. | **Endrin** | ☐ | ☐ | ☐ | ☐ |
| 22. | **Benzene** | ☐ | ☐ | ☐ | ☐ | 87. | **Endrin aldehyde** | ☐ | ☐ | ☐ | ☐ |
| 23. | **Benzidine** | ☐ | ☐ | ☐ | ☐ | 88. | **Ethylbenzene** | ☐ | ☐ | ☐ | ☐ |
| 24. | **Benzo (a) anthracene*** | ☐ | ☐ | ☐ | ☐ | 89. | **Fluoranthene** | ☐ | ☐ | ☐ | ☐ |
| 25. | **Benzo (a) pyrene*** | ☐ | ☐ | ☐ | ☐ | 90. | **Fluorene*** | ☐ | ☐ | ☐ | ☐ |
| 26. | **Benzo (b) fluoranthene*** | ☐ | ☐ | ☐ | ☐ | 91. | **Heptachlor** | ☐ | ☐ | ☐ | ☐ |
| 27. | **Benzo (g,h,i) perylene*** | ☐ | ☐ | ☐ | ☐ | 92. | **Heptachlor epoxide** | ☐ | ☐ | ☐ | ☐ |
| 28. | **Benzo (k) fluoranthene*** | ☐ | ☐ | ☐ | ☐ | 93. | **Hexachlorobenzene*** | ☐ | ☐ | ☐ | ☐ |
| 29. | **a-BHC (alpha)** | ☐ | ☐ | ☐ | ☐ | 94. | **Hexachlorobutadiene** | ☐ | ☐ | ☐ | ☐ |
| 30. | **b-BHC (beta)** | ☐ | ☐ | ☐ | ☐ | 95. | **Hexachlorocyclopentadiene*** | ☐ | ☐ | ☐ | ☐ |
| 31. | **d-BHC (delta)** | ☐ | ☐ | ☐ | ☐ | 96. | **Hexachloroethane*** | ☐ | ☐ | ☐ | ☐ |
| 32. | **g-BHC (gamma)*** | ☐ | ☐ | ☐ | ☐ | 97. | **Indeno (1,2,3-cd) pyrene*** | ☐ | ☐ | ☐ | ☐ |
| 33. | **Bis (2-chloroethyl) ether*** | ☐ | ☐ | ☐ | ☐ | 98. | **Isophorone*** | ☐ | ☐ | ☐ | ☐ |
| 34. | **Bis (2-chloroethoxy) methane*** | ☐ | ☐ | ☐ | ☐ | 99. | **Methylene chloride*** | ☐ | ☐ | ☐ | ☐ |
| 35. | **Bis (2-chloroisopropyl) ether*** | ☐ | ☐ | ☐ | ☐ | 100. | **Naphthalene** | ☐ | ☐ | ☐ | ☐ |
| 36. | **Bis (chloromethyl) ether*** | ☐ | ☐ | ☐ | ☐ | 101. | **Nitrobenzene** | ☐ | ☐ | ☐ | ☐ |
| 37. | **Bis (2-ethylhexyl) phthalate*** | ☐ | ☐ | ☐ | ☐ | 102. | **2-nitrophenol*** | ☐ | ☐ | ☐ | ☐ |
| 38. | **Bromodichloromethane*** | ☐ | ☐ | ☐ | ☐ | 103. | **4-nitrophenol*** | ☐ | ☐ | ☐ | ☐ |
| 39. | **Bromoform*** | ☐ | ☐ | ☐ | ☐ | 104. | **N-nitrosodimethylamine*** | ☐ | ☐ | ☐ | ☐ |
| 40. | **Bromomethane*** | ☐ | ☐ | ☐ | ☐ | 105. | **N-nitroso-di-n-propylamine*** | ☐ | ☐ | ☐ | ☐ |
| 41. | **4-bromophenylphenyl ether** | ☐ | ☐ | ☐ | ☐ | 106. | **N-nitrosodiphenylamine*** | ☐ | ☐ | ☐ | ☐ |
| 42. | **Butylbenzyl phthalate** | ☐ | ☐ | ☐ | ☐ | 107. | **PCB-1016*** | ☐ | ☐ | ☐ | ☐ |
| 43. | **Carbon tetrachloride*** | ☐ | ☐ | ☐ | ☐ | 108. | **PCB-1221*** | ☐ | ☐ | ☐ | ☐ |
| 44. | **Chlordane** | ☐ | ☐ | ☐ | ☐ | 109. | **PCB-1232*** | ☐ | ☐ | ☐ | ☐ |
| 45. | **4-chloro-3-methylphenol*** | ☐ | ☐ | ☐ | ☐ | 110. | **PCB-1242*** | ☐ | ☐ | ☐ | ☐ |
| 46. | **Chlorobenzene** | ☐ | ☐ | ☐ | ☐ | 111. | **PCB-1248*** | ☐ | ☐ | ☐ | ☐ |
| 47. | **Chloroethane*** | ☐ | ☐ | ☐ | ☐ | 112. | **PCB-1254*** | ☐ | ☐ | ☐ | ☐ |
| 48. | **2-chloroethylvinyl ether** | ☐ | ☐ | ☐ | ☐ | 113. | **PCB-1260*** | ☐ | ☐ | ☐ | ☐ |
| 49. | **Chloroform*** | ☐ | ☐ | ☐ | ☐ | 114. | **Pentachlorophenol** | ☐ | ☐ | ☐ | ☐ |
| 50. | **Chloromethane*** | ☐ | ☐ | ☐ | ☐ | 115. | **Phenanthrene** | ☐ | ☐ | ☐ | ☐ |
| 51. | **2-chloronaphthalene** | ☐ | ☐ | ☐ | ☐ | 116. | **Phenol** | ☐ | ☐ | ☐ | ☐ |
| 52. | **2-chlorophenol*** | ☐ | ☐ | ☐ | ☐ | 117. | **Pyrene** | ☐ | ☐ | ☐ | ☐ |
| 53. | **4-chlorophenylphenyl ether** | ☐ | ☐ | ☐ | ☐ | 118. | **2,3,7,8-tetrachlorodibenzo-p-dioxin*** | ☐ | ☐ | ☐ | ☐ |
| 54. | **Chrysene*** | ☐ | ☐ | ☐ | ☐ | 119. | **1,1,2,2-tetrachloroethane*** | ☐ | ☐ | ☐ | ☐ |
| 55. | **4,4 - DDD*** | ☐ | ☐ | ☐ | ☐ | 120. | **Tetrachloroethene*** | ☐ | ☐ | ☐ | ☐ |
| 56. | **4,4 - DDE*** | ☐ | ☐ | ☐ | ☐ | 121. | **Toluene*** | ☐ | ☐ | ☐ | ☐ |
| 57. | **4,4 - DDT*** | ☐ | ☐ | ☐ | ☐ | 122. | **Toxaphene** | ☐ | ☐ | ☐ | ☐ |
| 58. | **Dibenzo (a,h) anthracene*** | ☐ | ☐ | ☐ | ☐ | 123. | **1,2,4-trichlorobenzene** | ☐ | ☐ | ☐ | ☐ |
| 59. | **Dibromochloromethane*** | ☐ | ☐ | ☐ | ☐ | 124. | **1,1,1-trichloroethane*** | ☐ | ☐ | ☐ | ☐ |
| 60. | **1,2-dichlorobenzene*** | ☐ | ☐ | ☐ | ☐ | 125. | **1,1,2-trichloroethane*** | ☐ | ☐ | ☐ | ☐ |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 61. | **1,3-dichlorobenzene*** | ☐ | ☐ | ☐ | ☐ | 126. | **Trichloroethene*** | ☐ | ☐ | ☐ | ☐ |
| 62. | **1,4-dichlorobenzene*** | ☐ | ☐ | ☐ | ☐ | 127. | **Trichlorofluoromethane*** | ☐ | ☐ | ☐ | ☐ |
| 63. | **3,3-dichlorobenzidine** | ☐ | ☐ | ☐ | ☐ | 128. | **2,4,6-trichlorophenol** | ☐ | ☐ | ☐ | ☐ |
| 64. | **Dichlorodifluoromethane*** | ☐ | ☐ | ☐ | ☐ | 129. | **Vinyl chloride*** | ☐ | ☐ | ☐ | ☐ |
| 65. | **1,1-dichloroethane*** | ☐ | ☐ | ☐ | ☐ | | | | | | |

For each of the chemical compounds which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed)

| Item No. | Chemical Compound | Annual Usage (lbs.) | Estimated Loss to Sewer (lbs./Year) |
|---|---|---|---|
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## SECTION G - TREATMENT

**Is any form of wastewater treatment (see full list below) practiced at this facility?** ☐ **Yes** ☐ **No**

**Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?** ☐ **Yes (describe below)** ☐ **No**

**Treatment devices or processes used or proposed for treating wastewater or sludge (check as many as appropriate)**

| | | | | |
|---|---|---|---|---|
| ☐ **Air flotation** | ☐ **Cyclone** | ☐ **Grinding filter** | ☐ **Reverse osmosis** | ☐ **Solvent separation** |
| ☐ **Centrifuge** | ☐ **Filtration** | ☐ **Grit removal** | ☐ **Screen** | ☐ **Spill protection** |
| ☐ **Chemical precipitation** | ☐ **Flow equalization** | ☐ **Ion exchange** | ☐ **Sedimentation** | ☐ **Sump** |
| ☐ **Chlorination** | ☐ **Grease trap** | ☐ **Ozonation** | ☐ **Septic tank** | |
| ☐ **Rainwater diversion or storage** | | ☐ **Neutralization, pH correction** | | |
| ☐ **Grease or oil separation** (list type) | | | | |
| ☐ **Biological treatment** (list type) | | | | |
| ☐ **Other physical treatment** (list type) | | | | |

☐ **Other chemical treatment** (list type)

☐ **Other** (list type)

**Describe the pollutant loadings, flow rates, design capacity, physical size, and operating procedures for each treatment facility checked above (attach additional sheets if necessary)**

**Attach a process flow diagram for each existing treatment system.** Include process equipment, by-products, by-product disposal method, waste and by-product volumes, and design and operating conditions.

**Describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the City of Springfield sanitary sewer. Please include estimated completion dates**

**Do you have a wastewater treatment operator?** ☐ **Yes** (If yes answer question 7 below) ☐ **No**

**7. Name of Operator** **Title**

**Phone** **Email Address**

| **Specify Operating Hours** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** | **Saturday** | **Sunday** |
|---|---|---|---|---|---|---|---|
| ☐ **Full time employee** | | | | | | | |
| ☐ **Part time employee** | | | | | | | |

**Do you have a written manual on the correct operation of your treatment equipment?** ☐ **Yes** ☐ **No**

**Do you have a written maintenance schedule for your treatment equipment?** ☐ **Yes** ☐ **No**

## SECTION H – FACILITY OPERATIONAL CHARACTERISTICS

**Shift Information**

| | | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** | **Saturday** | **Sunday** |
|---|---|---|---|---|---|---|---|---|
| **Work days** | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| **Shifts per work day** | | | | | | | | |
| **Employees per shift** | 1st | | | | | | | |
| | 2nd | | | | | | | |
| | 3rd | | | | | | | |
| **Shift start and end time** | 1st | | | | | | | |
| | 2nd | | | | | | | |
| | 3rd | | | | | | | |

**Is business activity** ☐ **Continuous through the year** ☐ **Seasonal** **If seasonal, indicate below the months of the year during which the business activity occurs**

| **January** | **February** | **March** | **April** | **May** | **June** | **July** | **August** | **September** | **October** | **November** | **December** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Comments**

**Is discharge** ☐ **Continuous through the year** ☐ **Seasonal** **If seasonal, indicate below the months of the year during which the business activity occurs**

| **January** | **February** | **March** | **April** | **May** | **June** | **July** | **August** | **September** | **October** | **November** | **December** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Comments**

**Does operation shut down for vacation, maintenance, or any other reason?** ☐ **Yes (if yes indicate below reasons)** ☐ **No**

**List types and amounts (mass or volume per day) of raw materials used or planned for use (attach list if needed)**

**List type and quantity of chemicals used or planned for use (attach list if needed), INCLUDE COPIES OF ALL MATERIAL SAFETY DATA SHEETS FOR ALL CHEMICALS IDENTIFIED**

| Chemical | Quantity |
|---|---|
| | |
| | |
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| | |

**Building Layout – Include a scale map or drawing of the location of each building on the premises.** Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the City of Springfield sewer. Number each sewer and show existing and proposed sampling locations. A blueprint or drawing of the facilities showing the above items may be attached in lieu of submitting a drawing on this sheet.

## SECTION J – NON-DISCHARGED WASTES

**Do you have chemical storage containers, tanks, vessels, etc. at your facility?** ☐ **Yes** ☐ **No**

**If yes, please give a description of their location, contents, size, type, and frequency and method of cleaning. Also indicate in a diagram or comment on the proximity of these containers to a sewer or storm drain. Indicate if buried metal containers have cathodic protection.**

**Do you have floor drains in your manufacturing or chemical storage area(s)?** ☐ **Yes (if yes answer below)** ☐ **No**

**Where do they discharge to?**

**If you have chemical storage containers, tanks, vessels, etc. in the manufacturing area, could an accidental spill lead to a discharge to (check all that apply)**

☐ An onsite disposal system ☐ Storm drain ☐ N/A, No possible discharge to any route

☐ Sanitary sewer system (e.g. through a floor drain) ☐ To ground ☐ Other

**Do you have an accidental spill prevention plan, Slug Control Plan, or SPCC plan to prevent spills of chemicals or sludge discharges from entering the wastewater or storm collection systems?**

☐ Yes (please enclose a copies with application)- Slug Control Plan required within 90 days of issuance of permit

☐ No- Slug Control Plan required within 90 days of issuance of permit

**Please describe below any previous spill events (within last three years) and remedial measures taken to prevent their reoccurrence**

## SECTION J – NON-DISCHARGED WASTES

**Are any waste liquids or sludge materials generated and not disposed of in the sanitary sewer system?**

☐ Yes (Please describe below) ☐ No (Please continue to section K)

| Waste Generated | Quantity (Per Year) | Disposal Method |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

**Indicate which wastes identified above are disposed of at an off-site facility and which are disposed of on-site**

**If any of your wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility**

**If an outside firm removes any of the above listed wastes, state the name(s) and address(es) of all waste haulers**

| Name | Address | Permit No. |
|---|---|---|
| | | |
| | | |
| | | |

**Have you been issued any Federal, State, or local environmental permits?** ☐ Yes (please list permits below) ☐ No

## SECTION K – AUTHORIZED SIGNATURES

**Compliance Certification**

**Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis?**

☐ Yes ☐ No (if no answer question below) ☐ Not Yet Discharging

**What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance**

**Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note that if the City of Springfield issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the facility.**

| Milestone Activity | Completion Date |
|---|---|
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**Authorized Representative Certification Statement**

**I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.**

**Owner/Authorized Representative**

**First Name** _____ **Last Name** _____

**Title** _____

**Written Signature** _____

**Date** _____

| Item | Chemical Compound | Synonym | Item | Chemical Compound | Synonym |
|---|---|---|---|---|---|
| 1 | Asbestos | Actinolite, Amosite, Antophyllite, Chrysotile, Crocidolite, Tremolite | 35 | bis(2-chloroisopropyl) ether | 2,2'-Dichloroisopropyl ether |
| 2 | Cyanide | Hydrogen Cyanide, Potassium Cyanide, Sodium Cyanide | 36 | bis(chloromethyl)ether | (sym)Dichloromethyl ether |
| 3 | Antimony | Stibium | 37 | bis(2-ethylhexyl) phthalate | 2,2'-Diethylhexyl phthalate |
| 4 | Arsenic | Arsenia | 38 | Bromodichloromethane | Dichlorobromomethane |
| 5 | Beryllium | Glucinium | 39 | Bromoform | Tribromomethane |
| 9 | Lead | Plumbum | 40 | Bromomethane | Methyl bromide |
| 10 | Mercury | Hydrargyrum; Liquid Silver, Quick Silver | 43 | carbon tetrachloride | Tetrachloromethane |
| 13 | Silver | Argentum | 45 | 4-chloro-3-methylphenol | Para-chloro-meta-cresol |
| 16 | Acenaphthene | 1,2-Dihydroacenoaphthylene; Periethylenenaphthalene; 1,8-Ethylenenaphthalene | 47 | chloromethane | Ethylchloride |
| 18 | Acrolein | 2-Propenal; Propenal; Allyl aldehyde, Acraldehyde; Acrylaldehyde, Acrylic aldehyde, Aqualin | 49 | chloroform | Trichloromethane |
| 19 | Acrylonitrile | 2-Propenenitrile; Propenenitrile, Vinyl cyanide, Cyanoethylene; Acritet; Fumigrain; Ventox; Acrylonitrile monomer | 50 | chloromethane | Methyl chloride |
| 20 | Aldrin | 1,2,3,4,10, 10-Hexachloro-1,4,4a,5,8,8a-Hexahydro-1,4:5,8-Dimethanonaphthalene; HHDN; Compound 118; Octalene | 52 | 2-chlorophenol | Para-chlorophenol |
| 22 | Benzene | Benzol; Cyclohexatriene, Phenyl hydride | 54 | Chrysene | 1,2-Benzphenanthrene |
| 23 | Benzidine | 4,4'-Bianiline; 4,4'-Biphenyldiamine; 1,1'-Biphenyl-4,4'-diamine; 4,4'-Diaminobiphenyl; p-Diaminodiphenyl | 55 | 4,4'-DDD | Dichlorodiphenyldichlorethane, p,p'-tde, Tetrachlorodiphenylethane |
| 24 | Benzo(a)anthracene | 1,2-Benzanthracene, 2,3-Benzphenenthrene | 56 | 4,4'-DDE | Dicholodiphenyldichloroethylene |
| 25 | Benzo(a)pyrene | 3,4-Benzopyrene | 57 | 4,4'-DDT | Dichlorodiphenyltrichloroethane |
| 26 | Benzo(b)fluoranthene | 2,3-Benzfluoranthen 2,3-Benzofluoranthene 3,4-Benz(e)acephenathrylene 3,4-Benzfluoranthene 3,4-Benzofluoranthene Benz(e)fluoranthene | 58 | Dibenzo(a,h)anthracene | 1,2,5,6-dibenzanthracene |
| 27 | Benzo(g,h,i)perylene | 1,12-Benzoperylene | 59 | Dibromochloromethane | Chlorodibromomethane |
| 28 | Benzo(k)fluoranthene | 11,12-Benzofluoranthene | 60 | 1,2-dichlorobenzene | Ortho-dichlorobenzene |
| 32 | g-BHC (gamma) | Lindane | 61 | 1,2-dichlorobenzene | Meta-dichlorobenzene |
| 33 | bis(2-chlorethoxl) methane | 2,2'-Dichlorethyl ether | 62 | 1,4-dichlorobenzene | Para-dichlorobenzene |

| Item | Chemical Compound | Synonym | Item | Chemical Compound | Synonym |
|---|---|---|---|---|---|
| 64 | Dichlorodifluoromethane | Difluorodichloromethane, Flurocarbon-12 | 102 | 2-nitrophenyl | Para-nitrophenyl |
| 65 | 1,1'dichloroethane | Ethylidene chloride | 103 | 4-nitrophenyl | Ortho-nitrophenyl |
| 66 | 1,2-dichloroethane | Ethylene chloride, Ethylene dichloride | 104 | N-nitrosodimethylamine | Dimethylnitrosoamine |
| 67 | 1,1-dichloroethane | 1,1-Dichloroethylene | 105 | N-nitrosodi-n-propylamine | n-Nitro-di-n-propylamine |
| 68 | trans-1,2-dichloroethene | Acetylene dichloride | 106 | N-nitrosodipheynylamine | Diphenyl-nitrosoamine |
| 70 | 1,2-dichloropropane | Propylene dichloride | 107 | PCP-1018 | Arochlor-1018 |
| 71 | (cis & trans) 1,3-dichloropropane | (cis & trans) 1,3 Dichloropropylene | 108 | PCB-1221 | Arochlor-1221 |
| 73 | Diethylphthalate | Ethyl phthalate | 109 | PCB-1232 | Arochlor-1232 |
| 74 | 2,4-dimethylphenol | 2,4-zylenol | 110 | PCB-1242 | Arochlor-1242 |
| 77 | di-n-octyl phthalate | Di(2-ethylhexyl)phthalate | 111 | PCB-1248 | Arochlor-1248 |
| 78 | 4,6-dinitro-2-methylphenol | 4,6-Dinitro-octyl-cresol | 112 | PCB-1254 | Arochlor-1254 |
| 82 | 1,2-diphenylhydrazine | Hydrazobenzene | 113 | PCB-1260 | Arochlor-1260 |
| 83 | Endosulfan I | a-Endosulfan-alpha | 118 | 2,3,7,8-tetrachlorodibenzo-p-dioxin | TCDD |
| 84 | Endosulfan II | b-Endosulfan-beta | 119 | 1,1,2,2-tetrachloroethene | Acetylene tetrachloride |
| 90 | Fluorene | (alpha)-Diphylene methane | 120 | Tetrachloroethene | Perchloroethylene, Tetrachloroethylene |
| 93 | Hexachorbenzene | Perchlorobenzene | 121 | Toluene | Methylbenzene toluol |
| 95 | Hexachlrocyclopentadiene | Perchlorocyclopentadiene | 124 | 1,1,1-trichloroethane | Methyl chloroform |
| 96 | Hexachloroethane | Perchloroethane | 125 | 1,1,2-trichloroethane | Vinyl trichloride |
| 97 | indeno-(1,3,3-cd) pyrene | 2,3-ortho-Phenylene pyrene | 126 | Trichloroethane | Trichloroethylene |
| 98 | Isophorone | 3,5,5-Trimethyl-2-Cyclohexene-1-one | 127 | Trichlorofluoromethane | Fluorocarbon-11; Fluorotrichloromethane |
| 99 | Methylene chloride | Dichloromethane | 129 | Vinyl chloride | Chloroethene; Chloroethylene |